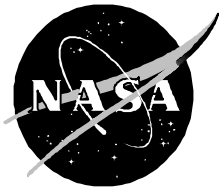
# VERSION DESCRIPTION DOCUMENT FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS) CENTRAL

Release 4.0

NASA-NEMSCENT-VDD-13

PrISMS Contract

June 16, 1998




National Aeronautics and
Space Administration

**George C. Marshall Space Flight Center**
Huntsville, AL 35812

# VERSION DESCRIPTION DOCUMENT FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS) CENTRAL RELEASE 4.0

Submitted by

_____

Neal Cantrell Date
Functional Area Lead

Reviewed by

CSC

_____ _____

Steve Rowell Date
Agencywide IRM, Property and Procurement Systems

Jim Cofer Date
Configuration Management

_____ _____

Hector Garcia Date
Agencywide IRM

Richard Bishop Date
DBA

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

June 16, 1998

# VERSION DESCRIPTION DOCUMENT
# FOR THE
# NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS) CENTRAL
# RELEASE 4.0

Approved by

_____

Sheila Fogle Date
Consolidation Center
Project Manager

_____

Nikita Zurkin Date
Program Functional Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

June 16, 1998

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# 1. INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Equipment Management System (NEMS) Central. This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

## 1.1. IDENTIFICATION OF THE RELEASE

This software release is identified as NEMS Central, Release 4.0 and has an effective release date of June 16, 1998.

## 1.2. PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs):

| CCR | Title |
|---|---|
| 143 | Changes to Accommodate the Year 2000 |
| 175 | Adjustment needs to be made to change DFRC installation from 0204 to 0404 |
| 176 | NEMS Central transfer file |

## 1.3. SCOPE

This VDD provides the functional and technical user of NEMS Central with information regarding the contents, status, and structure of Release 4.0, including the following:

- Changes implemented since Release 3.9.
- Validation procedures to ensure the reliability of release changes.
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

## 1.4. CONTACT POINTS

Sustaining Engineering for NEMS Central is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NEMS Central)


Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

# 2. FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

## 2.1. FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT changes related to this release.

## 2.2. FUNCTIONAL INTERFACES

This release has a functional impact on interfaces with any NASA Equipment Management System (NEMS) application.

## 2.3. CRITICAL ISSUES

This section is not applicable for this release.

## 2.4. AFFECTED DOCUMENTS

No documents are affected by this release.

## 2.5. APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

# 3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

## 3.1. TECHNICAL SYSTEM INTERFACES

## 3.2. DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.0, for the data dictionary changes in this release.

## 3.3. SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

## 3.4. DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

### 3.4.1. Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

### 3.4.2. Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

### 3.4.3. Storage Considerations

The changes represented by this release should not affect storage requirements.

### 3.4.4. Installation Procedures

Refer to Appendix D, Installation Instructions for NEMS Central Software Release 4.0 for detailed software installation procedures.

## 3.5. OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

# 4. KNOWN AND OPEN PROBLEMS

The are no known or open problems related to this release.

## Appendix A - ABBREVIATIONS AND ACRONYMS

| | |
|---|---|
| CC | Consolidation Center |
| CCR | Change Control Request |
| CSC | Computer Sciences Corporation |
| DBA | Database Administrator |
| DR | Discrepancy Report |
| FAX | Electronic Facsimile Transmission |
| IRM | Information Resources Management |
| JCL | Job Control Language |
| MSFC | Marshall Space Flight Center |
| NACC | NASA Automated Data Processing (ADP) Consolidation Center |
| NASA | National Aeronautics and Space Administration |
| NEMS | NASA Equipment Management System |
| NPDMS | NASA Property Disposal Management System |
| SESAAS | Sustaining Engineering Support for Agency wide Administrative Systems |
| VDD | Version Description Document |

# Appendix B - GLOSSARY

**Database Administration**

Responsibility for maintaining the physical database environment.

**Implementation**

The process by which a NASA site installs a NASA software release and places it into operational use.

**Operational Preparation**

Preparation by a NASA site for installation and use of a NASA application release.

**System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

## Appendix C - FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

| Section | CCR | Title |
|---|---|---|
| 1.0 | 143 | Changes to Accommodate the Year 2000 |
| 2.0 | 175 | Adjustment needs to be made to change DFRC installation from 0204 to 0404 |
| 3.0 | 176 | NEMS Central transfer file. |

Details for the validation procedures follow:

## 1.0 CCR 143 (Changes to accommodate the year 2000)

### Description of Change

Processes changed to expand date fields to contain the century on the database. Four fields were changed that required screen field lengths to be expanded (WRNTY-EXP-LABOR, WRNTY-EXP-MATERIAL, PEND-WRNTY-EXP-LABOR, and PEND-WRNTY-EXP-MATERIAL).

### Functional Impact

There is no functional impact as a result of this CCR.

### Validation Procedures

- Check all date fields using the current system date fields using the advanced system works with the current century.
  Expected result: Dates should process correctly.

- Advance system date and check all date fields using the advanced system date to make sure the system works with the next century.
  Expected result: Dates should process correctly.

---

| MODULE ID | MODULE NAME | TYPE | CCR# |
|---|---|---|---|
| ADHOC004 | Adhoc Selection Menu Central Transfer (For Centers) | Program | 143 |
| ADHOC005 | Adhoc Selection Menu Central Transfer (For Centers) | Program | 143 |
| ADHOC006 | Adhoc Selection By ECN Central Transfer (Centers) | Program | 143 |
| ADHOC008 | Adhoc Display Screen Central Transfer (For HQ Only) | Program | 143 |
| ADHOC010 | Adhoc Display Screen Central Transfer (For HQ Only) | Program | 143 |
| ADHOC20A | Adhoc Central History File By ECN (For Centers) | Program | 143 |
| ADHOC20B | Adhoc Central History File By Old Tag No (Centers) | Program | 143 |
| ADHOC20C | Adhoc Central History File By Previous ECN (Centers) | Program | 143 |
| ADHOC20D | Adhoc Central History File By Contractor-Tag-No | Program | 143 |
| ADHOC201 | Adhoc Central Equipment File | Program | 143 |

| | | | |
|---|---|---|---|
| | By ECN (For Centers) | | |
| ADHOC202 | Adhoc Central Equipment File By Old-Tag-No (For Centers) | Program | 143 |
| ADHOC203 | Adhoc Central Equipment File By Previous ECN (For Centers) | Program | 143 |
| ADHOC204 | Adhoc Central Equipment File By Contractor-Tag-No (For Centers) | Program | 143 |
| ADHOC205 | Adhoc Central Equipment File By Contractor-No-Acct (For Centers) | Program | 143 |
| ADHOC21A | Find Selection Menu - Multiple Data Elements (Centers) | Program | 143 |
| ADHOC213 | Adhoc Central History File By ECN (For Centers) | Program | 143 |
| ADHOC220 | Adhoc Central Equipment File By Manufacturer's Code With Multiple Model Numbers (For Centers) | Program | 143 |
| ADHOC221 | Adhoc Central Equipment File By Manufacturer's Code With Multiple Item Names (For Centers) | Program | 143 |
| ADHOC222 | Adhoc Central Equipment File By Multiple Model Numbers (For Centers) | Program | 143 |
| ADHOC230 | Adhoc Central Equipment File By Item Name (Centers) | Program | 143 |
| AMESXFER | Transaction Extract From Central To Ames | Program | 143 |
| CDBSTEP4 | Sorted Data Duplicate Check | Program | 143 |
| CODEMP5 | ADP equipment total for OSF centers | Program | 143 |
| GSFCXFER | Transaction Extract From Central To Goddard | Program | 143 |
| MSD008J1 | Version Check Program | Program | 143 |
| MSD008N1 | Version Check Program (NDM Data) | Program | 143 |
| MSD008PL | Recompile Of Transferred Data | Program | 143 |
| MSD008P1 | Recompile Of Transferred Data | Program | 143 |
| MSD008P2 | Recompile Of Transferred Data | Program | 143 |
| MSD008P4 | Sorted Data Duplicate Check | Program | 143 |
| NCLXFRPA | NEMS Cent Transfer Load | Program | 143 |
| NCUXFRPA | NEMS Cent Transfer Unload | Program | 143 |
| NEMS | NEMS Central Start-Up Program (For Centers) | Program | 143 |
| NEMSDATA | Desert Storm Data | Program | 143 |
| PGM002P1 | Correct Records On The Central Transfer File | Program | 143 |
| RLMCHK | | Program | 143 |
| RLM008P2 | | Program | 143 |
| RPTEQUP1 | Extract Equipment Records To Create | Program | 143 |

| | | | |
|---|---|---|---|
| | Backup File | | |
| RPTHSTP1 | Extract History Records To Create Backup File | Program | 143 |
| RPT071P1 | Report Of Surveys | Program | 143 |
| RPT072P1 | Report Of Surveys | Program | 143 |
| RPT072Z4 | Report Of Returns Of Surveys | Program | 143 |
| RPT110P1 | Manufacturer's Code XXXXX Suspense Report | Program | 143 |
| RPT115P1 | Manufacturer's Code ZZZZZ Suspense Report | Program | 143 |
| RPT210NZ | Equipment File Loan Report | Program | 143 |
| RPT210ZZ | Equipment File Loan Report | Program | 143 |
| RPT538P1 | GSFC Alpha Prefix ECNS | Program | 143 |
| RPT540P1 | Equipment File Duplicate ECN Report | Program | 143 |
| RPT540P2 | Equipment File Duplicate ECN Report (For JPL) | Program | 143 |
| RPT541P1 | Equipment File Bad ECN Report | Program | 143 |
| RPT542P1 | History File Bad ECN Report | Program | 143 |
| RPT641P1 | Organization Property Report | Program | 143 |
| RPT642P1 | Organization Property Report | Program | 143 |
| RPT710P1 | Redistribution Summary (Update) | Program | 143 |
| RPT710P2 | Redistribution Summary (Update) | Program | 143 |
| RPT710P3 | Redistribution Summary (Display) | Program | 143 |
| RPT711P1 | Redistribution Summary (Update) | Program | 143 |
| RPT711P2 | Redistribution Summary (Update) | Program | 143 |
| RPT711P3 | Redistribution Summary (Display) | Program | 143 |
| RPT720P1 | | Program | 143 |
| RPT720P2 | | Program | 143 |
| RPT721P1 | | Program | 143 |
| RPT722P1 | | Program | 143 |
| RPT740P1 | | Program | 143 |
| RPT790P1 | List All Records On The Central Transfer File | Program | 143 |
| RPT930P1 | ADP Equipment Report | Program | 143 |
| RPT930P2 | ADP Equipment Report | Program | 143 |
| RPT950P1 | Loaned Out Equipment Report | Program | 143 |
| RPT971P1 | Average Age Of Equipment Report | Program | 143 |
| RPT972P1 | Average Age Of Equipment Report | Program | 143 |
| RPT973P1 | Average Age Of Equipment Report | Program | 143 |
| RPT975NZ | FSGS 59 And 66 Made Before 1981 | Program | 143 |
| RPT975P1 | FSGS 59 And 66 Made Before 1981 | Program | 143 |
| RPT977P1 | FSGS 66 | Program | 143 |
| RPT984NZ | Extract For The FSG Matrix Reports (985, 986 AND 987) | Program | 143 |
| RPT984P1 | Extract For The FSG Matrix | Program | 143 |

| | | | |
|---|---|---|---|
| | Reports (985, 986 AND 987) | | |
| RPT984P2 | Extract For The FSG Matrix Reports (985, 986 AND 987) | Program | 143 |
| RPT987P1 | FSG By Year Acquired Matrix | Program | 143 |
| RPT997P1 | Count Delete TXS By Center Fiscal Year | Program | 143 |
| TRANSFER | Transaction Extract From Central To Ames | Program | 143 |
| TRNERRP1 | Error Report Program | Program | 143 |
| TRNERRP2 | Transfer Error Report Program | Program | 143 |
| TRNM02P1 | Change Transaction M02 | Program | 143 |
| TRNM37P1 | Change Transaction M37 (Return From Service/Repair) | Program | 143 |
| TRNM46P1 | Change Transaction M46 (Calibration Adjustment) | Program | 143 |
| TRNM48P1 | Change Transaction M48 (Recall Identifier) | Program | 143 |
| TRNX00P1 | NPDMS Delete Transaction X00 (Final Disposition Of Item) | Program | 143 |
| TRNX15P1 | NPDMS Add X15 (Receipt From Return Of Record From Historical File) | Program | 143 |
| TRNX60P1 | Controlled Receipt/Reverse a Controlled Receipt/Controlled Change: X60 (Record Data Change) | Program | 143 |
| TRNX65P1 | Delete Transaction X65 (Transfer To Another NASA Installation) | Program | 143 |
| TRNX90P1 | Change Transaction X90 (Disposition Of Equipment) | Program | 143 |
| TRN000P1 | Central File Update Driver | Program | 143 |
| TRN000P2 | Transaction Extract From Central To Centers | Program | 143 |
| TRN001P1 | Add Transaction 01 (Receipt By Purchase-NASA Funded) | Program | 143 |
| TRN002P1 | Add Transaction 02 (Receipt By Purchase-OGA Funded) | Program | 143 |
| TRN003P1 | Add Transaction 03 (Rcpt By Purchase-Reported By Contr) | Program | 143 |
| TRN004P1 | Add Transaction 04 (Rcpt By Transfer-From NASA Inst) | Program | 143 |
| TRN005P1 | Add Transaction 05 (Receipt By Transfer-From OGA) | Program | 143 |
| TRN006P1 | Add Transaction 06 (Rcpt By Transfer-From Contractor) | Program | 143 |
| TRN007P1 | Add Transaction 07 (Rcpt By Transfer-Reported By Contr) | Program | 143 |

| | | | |
|---|---|---|---|
| TRN008P1 | Add Transaction 08 (Receipt From Lease In) | Program | 143 |
| TRN009P1 | Add Transaction 09 (Receipt From Loan In) | Program | 143 |
| TRN010P1 | Add Transaction 10 (Receipt From Fabrication) | Program | 143 |
| TRN011P1 | Add Transaction 11 (Receipt From Assembly/Disassembly) | Program | 143 |
| TRN012P1 | Add Transaction 12 (Receipt From Found On Station) | Program | 143 |
| TRN013P1 | Add Transaction 13 (Receipt From Excess) | Program | 143 |
| TRN014P1 | Add Transaction 14 (Receipt From Retagging) | Program | 143 |
| TRN015P1 | Add Transaction 15 (Receipt From Return Of Record From Historical File) | Program | 143 |
| TRN016P1 | Add Transaction 16 (Receipt By Transfer From Real To Personal Property) | Program | 143 |
| TRN017P1 | Add Transaction 17 (Receipt From Non-Gov Source) | Program | 143 |
| TRN018P1 | Add Transaction 18 (Receipt From Not Previously Meeting Criteria For Tagging) | Program | 143 |
| TRN019P1 | Add Transaction 19 (Reinstating Items Previously Surveyed) | Program | 143 |
| TRN020P1 | Add Transaction 20 (Receipt From Borrow In) | Program | 143 |
| TRN021P1 | Add Transaction 21 (Receipt - Lease To Purchase) | Program | 143 |
| TRN025P1 | Change Transaction 25 (Cost Change) | Program | 143 |
| TRN026P1 | Change Transaction 26 (Custodian Account Change) | Program | 143 |
| TRN027P1 | Change Transaction 27 (Date Available Change) | Program | 143 |
| TRN028P1 | Change Transaction 28 (Date Lease/ Loan/Borrow Out Due Change) | Program | 143 |
| TRN029P1 | Change Transaction 29 (Equipment Location Change) | Program | 143 |
| TRN030P1 | Change Transaction 30 (Status Code Change) | Program | 143 |
| TRN031P1 | Change Transaction 31 (User Number Change) | Program | 143 |
| TRN032P1 | Change Transaction 32 (Inventory Change Transaction) | Program | 143 |
| TRN033P1 | Change Transaction 33 (Inventory Change Transaction) | Program | 143 |

| | | | |
|---|---|---|---|
| TRN034P1 | Change Transaction 34 (Inventory Change Transaction) | Program | 143 |
| TRN035P1 | KSC Financial Reconciliation Transaction | Program | 143 |
| TRN038P1 | Change Transaction 38 (Borrowed Out) | Program | 143 |
| TRN039P1 | Change Transaction 39 (Borrowed Out-Returned) | Program | 143 |
| TRN040P1 | Change Transaction 40 (Loan/ Lease Out) | Program | 143 |
| TRN041P1 | Change Transaction 41 (Loan/ Lease Out-Returned) | Program | 143 |
| TRN042P1 | Change Transaction 42 (Loan Pool Out) | Program | 143 |
| TRN043P1 | Change Transaction 43 (Loan Pool Out-Returned) | Program | 143 |
| TRN044P1 | Change Transaction 44 (Storage In) | Program | 143 |
| TRN045P1 | Change Transaction 45 (Storage In-Returned) | Program | 143 |
| TRN046P1 | Change Transaction 46 (Cap/Sens Code And NSN Change) | Program | 143 |
| TRN050P1 | Change Transaction 50 (Freeze Number Assignment) | Program | 143 |
| TRN051P1 | Change Transaction 51 (Freeze Number Removal) | Program | 143 |
| TRN052P1 | Change Transaction 52 (Excess Equipment Turn-In By Custodian) | Program | 143 |
| TRN053P1 | Change Transaction 53 (Excess Equipment Turn-In By Contractor) | Program | 143 |
| TRN054P1 | Change Transaction 54 (Calibration Update Change) | Program | 143 |
| TRN055P1 | Change Transaction 55 (Inventory Update) | Program | 143 |
| TRN056P1 | Change Transaction 56 (Repair Update Change) | Program | 143 |
| TRN057P1 | Change Transaction 57 (Off-Site Repair Update) | Program | 143 |
| TRN060P1 | Change Transaction 60 (NASA Held Equipment Record Data Change) | Program | 143 |
| TRN061P1 | Change Transaction 61 (Contractor Held Equipment Record Data Change) | Program | 143 |
| TRN062P1 | Transaction 62 Batch Edit Update Program | Program | 143 |
| TRN062P4 | Transaction 62 Global Delete Program | Program | 143 |
| TRN063P1 | Change Transaction 63 (Reverse Add) | Program | 143 |

| | | | |
|---|---|---|---|
| TRN065P1 | Delete Transaction 65 (Transfer To Another NASA Installation) | Program | 143 |
| TRN066P1 | Delete Transaction 66 (Transfer To Other Government Agency) | Program | 143 |
| TRN067P1 | Delete Transaction 67 (Transfer Of GFE To A Contractor) | Program | 143 |
| TRN068P1 | Delete Transaction 68 (Transfer Of GFE By A Contractor) | Program | 143 |
| TRN069P1 | Delete Transaction 69 (Lease In-Returned) | Program | 143 |
| TRN070P1 | Delete Transaction 70 (Loan In-Returned) | Program | 143 |
| TRN071P1 | Delete Transaction 71 (Survey (Missing Equipment)) | Program | 143 |
| TRN072P1 | Delete Transaction 72 (Decontrol (Removal Of Tag)) | Program | 143 |
| TRN073P1 | Delete Transaction 73 (Deletes Resulting From Assembly/Disassembly) | Program | 143 |
| TRN074P1 | Delete Transaction 74 (Lost Tag) | Program | 143 |
| TRN075P1 | Delete Transaction 75 (Lease In-Returned) | Program | 143 |
| TRN080P1 | Delete Transaction 80 (Disposal Of NASA Held Equipment By Custodian) | Program | 143 |
| TRN081P1 | Delete Transaction 81 (Disposal Of NASA Held Equipment By EVS Coordinator) | Program | 143 |
| TRN082P1 | Delete Transaction 82 (Disposal Of Contractor Held Equipment) (C.C. More Than 6) By Contr.) | Program | 143 |
| TRN083P1 | Delete Transaction 83 (Disposal Of Contractor Held Equipment By EVS Coordinator) | Program | 143 |
| TRN084P1 | Delete Transaction 84 (Removal Of Equipment From EVS-Reported By Contractor) | Program | 143 |
| TRN085P1 | Delete Transaction 85 (Delete Resulting From Trade-In) | Program | 143 |
| TRN086P1 | Delete Transaction 86 (Transfer To Real Property) | Program | 143 |
| TRN087P1 | Delete Transaction 87 (Delete Lease To Purchase) | Program | 143 |
| TRN099P1 | Change Transaction 99 (Date Inventoried Change) | Program | 143 |

## 2.0 CCR 175 (Adjustment needs to be made to change DFRC installation from 0204 to 0404)

### Description of Change

Changes were made to NEMS Central online programs to change the DFRC installation number from 0204 to 0404.

### Functional Impact

There is no functional impact as a result of this CCR.

### Validation Procedures

- Validate that NEMS Central accepts installation 0404 for DFRC.
  Expected result: NEMS Central will process transactions for 0404

- Validate that NEMS Central no longer accepts installation 0204 for DFRC.
  Expected result: NEMS Central will not process transactions for 0204.

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| MODULE ID | MODULE NAME | TYPE | CCR# |
|---|---|---|---|
| ADHOC011 | Central transfer summary screen | Program | 175 |
| ADHOC012 | Central transfer summary screen | Program | 175 |
| RPT071P4 | Report of surveys | Program | 175 |
| RPT710P1 | Redistribution summary (update) | Program | 175 |
| RPT710P2 | Redistribution summary (update) | Program | 175 |
| RPT711P1 | Redistribution summary (update) | Program | 175 |
| RPT711P2 | Redistribution summary (update) | Program | 175 |
| RPT900P1 | Cost summary report | Program | 175 |
| RPT901P1 | Equipment summary - 9 ranges | Program | 175 |
| RPT905P1 | Cost GT 500 - Status Codes B, C, D | Program | 175 |
| TRN000P2 | Transaction extract from central to centers | Program | 175 |

## 3.0 CCR 176 (NEMS Central transfer file)

### Description of Change

Changes were made so that when a transfer is complete that the item will be deleted off of the transfer file instead of being updated.

### Functional Impact

There is no functional impact as a result of this CCR.

### Validation Procedures

- Validate that when a transfer is complete that the item (ECN) no longer appears on the NEMS Central transfer file.
  Expected result: The item will not appear on the NEMS Central transfer file when the transfer is complete.

---

| MODULE ID | MODULE NAME | TYPE | CCR# |
|---|---|---|---|
| TRN004P1 | Add transaction 04 (rcpt by transfer-from NASA inst) | Program | 176 |
| TRN006P1 | Add transaction 06 (rcpt by transfer-from contractor) | Program | 176 |
| TRN007P1 | add transaction 07 (rcpt by transfer-reported by contr) | Program | 176 |
| TRN020P1 | add transaction 20 (receipt from borrow in) | Program | 176 |

# Appendix D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NEMS CENTRAL SOFTWARE RELEASE 4.0

## Introduction

Release information:

System Name: NEMS Central
Release Number: 4.0
Release Date: June 16, 1998
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NEMS Central)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

The following datasets are located on the NASA Central Distribution Facility as NASA data sets.

- AIMS.NEMSC.PROD.REL400.REL0698.SRC
- AIMS.NEMSC.PROD.REL400.REL0698.PRD323
- AIMS.NEMSC.PROD.REL400.REL0698.DOC

## Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in section 9.0 to assist in tracking the installation of this release.

1.0 Back Up Existing Data
2.0 Copy Source/Object Code
3.0 Pre-Predict Data Conversion
4.0 Install Predict
5.0 Catalog Source Code
6.0 Post-Predict Data Conversion
7.0 Perform Release-Specific Procedures
8.0 Local JCL Mods
9.0 Installation Checklist

## 1.0 Back Up Existing Data

It is advisable to back up all NEMS CENTRAL files as a precautionary measure prior to installation.

## 2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the NEMS Central source library from dataset AIMS.NEMSC.PROD.REL400.REL0698.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NEMSCENT, replacing any existing programs of the same name. The source module counts included in this release are listed below:

| **Natural Source Modules by Type** | |
|---|---|
| GLOBAL DATA AREA | 0 |
| LOCAL/PARAM DATA AREA | 0 |
| MAPS | 0 |
| HELP ROUTINES | 0 |
| SUBROUTINES | 0 |
| SUBPROGRAMS | 0 |
| PROGRAMS | 173 |
| COPYCODE | 0 |
| TEXT | 0 |
| PROCESS | 0 |
| MISCELLANEOUS OBJECTS | 0 |
| **Total:** | **173** |

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

1. NCLXFRPA NEMS Cent Transfer Load
2. NCUXFRPA NEMS Cent Transfer Unload

Changed Modules

1. ADHOC004 Adhoc selection Menu - Central Transfer (For Centers)
2. ADHOC005 Adhoc Selection Menu - Central Transfer (For Centers)
3. ADHOC006 Adhoc Selection By ECN - Central Transfer (Centers)
4. ADHOC008 Adhoc Display Screen - Central Transfer (For HQ Only)

| | | |
|---|---|---|
| 5. | ADHOC010 | Adhoc Display Screen - Central Transfer (For HQ Only) |
| 6. | ADHOC011 | Central Transfer summary screen |
| 7. | ADHOC012 | Central Transfer summary screen |
| 8. | ADHOC20A | Adhoc Central History File By ECN (For Centers) |
| 9. | ADHOC20B | Adhoc Central History File By Old Tag No (Centers) |
| 10. | ADHOC20C | Adhoc Central History File By Previous ECN (Centers) |
| 11. | ADHOC20D | Adhoc Central History File By Contractor-Tag-No |
| 12. | ADHOC201 | Adhoc Central Equipment File By ECN (For Centers) |
| 13. | ADHOC202 | Adhoc Central Equipment File By Old-Tag-No (For Centers) |
| 14. | ADHOC203 | Adhoc Central Equipment File By Previous ECN (For Centers) |
| 15. | ADHOC204 | Adhoc Central Equipment File By Contractor-Tag-No (For Centers |
| 16. | ADHOC205 | Adhoc Central Equipment File By Contractor-No-Acct (For Centers) |
| 17. | ADHOC21A | Find Selection Menu - Multiple Data Elements (Centers) |
| 18. | ADHOC213 | Adhoc Central History File By ECN (For Centers) |
| 19. | ADHOC220 | Adhoc Central Equipment File By Manufacturer's Code With Multiple Model Numbers (For Centers) |
| 20. | ADHOC221 | Adhoc Central Equipment File By Manufacturer's Code With Multiple Item Names (For Centers) |
| 21. | ADHOC222 | Adhoc Central Equipment File By Multiple Model Numbers (For Centers) |
| 22. | ADHOC230 | Adhoc Central Equipment File By Item Name (Centers) |
| 23. | AMESXFER | Transaction Extract From Central To Ames |
| 24. | CDBSTEP4 | Sorted Data Duplicate Check |
| 25. | CODEMP5 | ADP equipment total for OSF centers |
| 26. | GSFCXFER | Transaction Extract From Central To Goddard |
| 27. | MSD008J1 | Version Check Program |
| 28. | MSD008N1 | Version Check Program (NDM Data) |
| 29. | MSD008PL | Recompile Of Transferred Data |
| 30. | MSD008P1 | Recompile Of Transferred Data |
| 31. | MSD008P2 | Recompile Of Transferred Data |
| 32. | MSD008P4 | Sorted Data Duplicate Check |
| 33. | NEMS | NEMS Central Start-Up Program (For Centers) |
| 34. | NEMSDATA | Desert Storm Data |
| 35. | PGM002P1 | Correct Records On The Central Transfer File |
| 36. | RLMCHK | |
| 37. | RLM008P2 | |
| 38. | RPTEQUP1 | Extract Equipment Records To Create Backup File |
| 39. | RPTHSTP1 | Extract History Records To Create Backup File |
| 40. | RPT071P1 | Report Of Surveys |
| 41. | RPT071P4 | Report Of Surveys |
| 42. | RPT072P1 | Report Of Surveys |
| 43. | RPT072Z4 | Report Of Returns Of Surveys |
| 44. | RPT110P1 | Manufacturer's Code XXXXX Suspense Report |
| 45. | RPT115P1 | Manufacturer's Code ZZZZZ Suspense Report |

| | | |
|---|---|---|
| 46. | RPT210NZ | Equipment File Loan Report |
| 47. | RPT210ZZ | Equipment File Loan Report |
| 48. | RPT538P1 | GSFC Alpha Prefix ECNS |
| 49. | RPT540P1 | Equipment File Duplicate ECN Report |
| 50. | RPT540P2 | Equipment File Duplicate ECN Report (For JPL) |
| 51. | RPT541P1 | Equipment File Bad ECN Report |
| 52. | RPT542P1 | History File Bad ECN Report |
| 53. | RPT641P1 | Organization Property Report |
| 54. | RPT642P1 | Organization Property Report |
| 55. | RPT710P1 | Redistribution Summary (Update) |
| 56. | RPT710P2 | Redistribution Summary (Update) |
| 57. | RPT710P3 | Redistribution Summary (Display) |
| 58. | RPT711P1 | Redistribution Summary (Update) |
| 59. | RPT711P2 | Redistribution Summary (Update) |
| 60. | RPT711P3 | Redistribution Summary (Display) |
| 61. | RPT720P1 | |
| 62. | RPT720P2 | |
| 63. | RPT721P1 | |
| 64. | RPT722P1 | |
| 65. | RPT740P1 | |
| 66. | RPT790P1 | List All Records On The Central Transfer File |
| 67. | RPT900P1 | Cost Summary Report |
| 68. | RPT901P1 | Equipment summary - 9 ranges |
| 69. | RPT905P1 | Cost GT 500 - status codes B, C, D |
| 70. | RPT930P1 | ADP Equipment Report |
| 71. | RPT930P2 | ADP Equipment Report |
| 72. | RPT950P1 | Loaned Out Equipment Report |
| 73. | RPT971P1 | Average Age Of Equipment Report |
| 74. | RPT972P1 | Average Age Of Equipment Report |
| 75. | RPT973P1 | Average Age Of Equipment Report |
| 76. | RPT975NZ | FSGS 59 And 66 Made Before 1981 |
| 77. | RPT975P1 | FSGS 59 And 66 Made Before 1981 |
| 78. | RPT977P1 | FSGS 66 |
| 79. | RPT984NZ | Extract For The FSG Matrix Reports (985, 986 AND 987) |
| 80. | RPT984P1 | Extract For The FSG Matrix Reports (985, 986 AND 987) |
| 81. | RPT984P2 | Extract For The FSG Matrix Reports (985, 986 AND 987) |
| 82. | RPT987P1 | FSG By Year Acquired Matrix |
| 83. | RPT997P1 | Count Delete TXS By Center, Fiscal Year |
| 84. | TRANSFER | Transaction Extract From Central To Ames |
| 85. | TRNERRP1 | Error Report Program |
| 86. | TRNERRP2 | Transfer Error Report Program |
| 87. | TRNM02P1 | Change Transaction M02 |
| 88. | TRNM37P1 | Change Transaction M37 (Return From Service/Repair) |
| 89. | TRNM46P1 | Change Transaction M46 (Calibration Adjustment) |
| 90. | TRNM48P1 | Change Transaction M48 (Recall Identifier) |
| 91. | TRNX00P1 | NPDMS Delete Transaction X00 (Final Disposition Of Item) |

92. TRNX15P1 NPDMS Add X15 (Receipt From Return Of Record From Historical File)
93. TRNX60P1 Controlled Receipt/Reverse a Controlled Receipt/ Controlled Change: X60 (Record Data Change)
94. TRNX65P1 Delete Transaction X65 (Transfer To Another NASA Installation)
95. TRNX90P1 Change Transaction X90 (Disposition Of Equipment)
96. TRN000P1 Central File Update Driver
97. TRN000P2 Transaction Extract From Central To Centers
98. TRN001P1 Add Transaction 01 (Receipt By Purchase-NASA Funded)
99. TRN002P1 Add Transaction 02 (Receipt By Purchase-OGA Funded)
100. TRN003P1 Add Transaction 03 (Rcpt By Purchase-Reported By Contr)
101. TRN004P1 Add Transaction 04 (Rcpt By Transfer-From NASA Inst)
102. TRN005P1 Add Transaction 05 (Receipt By Transfer-From OGA)
103. TRN006P1 Add Transaction 06 (Rcpt By Transfer-From Contractor)
104. TRN007P1 Add Transaction 07 (Rcpt By Transfer-Reported By Contr)
105. TRN008P1 Add Transaction 08 (Receipt From Lease In)
106. TRN009P1 Add Transaction 09 (Receipt From Loan In)
107. TRN010P1 Add Transaction 10 (Receipt From Fabrication)
108. TRN011P1 Add Transaction 11 (Receipt From Assembly/Disassembly)
109. TRN012P1 Add Transaction 12 (Receipt From Found On Station)
110. TRN013P1 Add Transaction 13 (Receipt From Excess)
111. TRN014P1 Add Transaction 14 (Receipt From Retagging)
112. TRN015P1 Add Transaction 15 (Receipt From Return Of Record From Historical File)
113. TRN016P1 Add Transaction 16 (Receipt By Transfer From Real To Personal Property)
114. TRN017P1 Add Transaction 17 (Receipt From Non-Gov Source)
115. TRN018P1 Add Transaction 18 (Receipt From Not Previously Meeting Criteria For Tagging)
116. TRN019P1 Add Transaction 19 (Reinstating Items Previously Surveyed)
117. TRN020P1 Add Transaction 20 (Receipt From Borrow In)
118. TRN021P1 Add Transaction 21 (Receipt - Lease To Purchase)
119. TRN025P1 Change Transaction 25 (Cost Change)
120. TRN026P1 Change Transaction 26 (Custodian Account Change)
121. TRN027P1 Change Transaction 27 (Date Available Change)
122. TRN028P1 Change Transaction 28 (Date Lease/Loan/Borrow Out Due Change)
123. TRN029P1 Change Transaction 29 (Equipment Location Change)
124. TRN030P1 Change Transaction 30 (Status Code Change)
125. TRN031P1 Change Transaction 31 (User Number Change)
126. TRN032P1 Change Transaction 32 (Inventory Change Transaction)
127. TRN033P1 Change Transaction 33 (Inventory Change Transaction)
128. TRN034P1 Change Transaction 34 (Inventory Change Transaction)
129. TRN035P1 KSC Financial Reconciliation Transaction
130. TRN038P1 Change Transaction 38 (Borrowed Out)

131. TRN039P1 Change Transaction 39 (Borrowed Out-Returned)
132. TRN040P1 Change Transaction 40 (Loan/Lease Out)
133. TRN041P1 Change Transaction 41 (Loan/Lease Out-Returned)
134. TRN042P1 Change Transaction 42 (Loan Pool Out)
135. TRN043P1 Change Transaction 43 (Loan Pool Out-Returned)
136. TRN044P1 Change Transaction 44 (Storage In)
137. TRN045P1 Change Transaction 45 (Storage In-Returned)
138. TRN046P1 Change Transaction 46 (Cap/Sens Code And NSN Change)
139. TRN050P1 Change Transaction 50 (Freeze Number Assignment)
140. TRN051P1 Change Transaction 51 (Freeze Number Removal)
141. TRN052P1 Change Transaction 52 (Excess Equipment Turn-In By Custodian)
142. TRN053P1 Change Transaction 53 (Excess Equipment Turn-In By Contractor)
143. TRN054P1 Change Transaction 54 (Calibration Update Change)
144. TRN055P1 Change Transaction 55 (Inventory Update)
145. TRN056P1 Change Transaction 56 (Repair Update Change)
146. TRN057P1 Change Transaction 57 (Off-Site Repair Update)
147. TRN060P1 Change Transaction 60 (NASA Held Equipment Record Data Change)
148. TRN061P1 Change Transaction 61 (Contractor Held Equipment Record Data Change)
149. TRN062P1 Transaction 62 Batch Edit Update Program
150. TRN062P4 Transaction 62 Global Delete Program
151. TRN063P1 Change Transaction 63 (Reverse Add)
152. TRN065P1 Delete Transaction 65 (Transfer To Another NASA Installation)
153. TRN066P1 Delete Transaction 66 (Transfer To Other Government Agency)
154. TRN067P1 Delete Transaction 67 (Transfer Of GFE To A Contractor)
155. TRN068P1 Delete Transaction 68 (Transfer Of GFE By A Contractor)
156. TRN069P1 Delete Transaction 69 (Lease In-Returned)
157. TRN070P1 Delete Transaction 70 (Loan In-Returned)
158. TRN071P1 Delete Transaction 71 (Survey (Missing Equipment))
159. TRN072P1 Delete Transaction 72 (Decontrol (Removal Of Tag))
160. TRN073P1 Delete Transaction 73 (Deletes Resulting From Assembly/Disassembly)
161. TRN074P1 Delete Transaction 74 (Lost Tag)
162. TRN075P1 Delete Transaction 75 (Lease In-Returned)
163. TRN080P1 Delete Transaction 80 (Disposal Of NASA Held Equipment By Custodian)
164. TRN081P1 Delete Transaction 81 (Disposal Of NASA Held Equipment By EVS Coordinator)
165. TRN082P1 Delete Transaction 82 (Disposal Of Contractor Held Equipment) (C.C. More Than 6) By Contr.)

166. TRN083P1 Delete Transaction 83 (Disposal Of Contractor Held Equipment By EVS Coordinator)
167. TRN084P1 Delete Transaction 84 (Removal Of Equipment From EVS-Reported By Contractor)
168. TRN085P1 Delete Transaction 85 (Delete Resulting From Trade-In)
169. TRN086P1 Delete Transaction 86 (Transfer To Real Property)
170. TRN087P1 Delete Transaction 87 (Delete - Lease To Purchase)
171. TRN099P1 Change Transaction 99 (Date-Inventoried Change)

2.3 Delete Source Modules

Not applicable with this release.

2.4 Copy Object Modules

Not applicable with this release.

**3.0 Pre-Predict Data Conversion**

Catalog NCUXFRPA in the NEMS Central library and then run NCUXFRPA in batch to unload the NEMS-CENT-TRANSFER file to a work file (CMWKF01).

**4.0 Install Predict**

**4.1 Data Dictionary Changes**

This release will include the new enhancements for version 4.0.0 (Y2K). Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing Predict reporting on the keywords NEMS-CENT-4.0.0 or Y2K-NEMS-CENT.

The following NEMS Central DDMs should be generated after the PREDICT load is completed.

NEMS-CENT-EQUIP
NEMS-CENT-EQUIP-VIEW
NEMS-CENT-HISTORY
NEMS-CENT-HISTORY-VIEW
NEMS-TRANSFER
NEMS-NSN-TEST

**PREDICT Version 3.2.3 Load**

Use SYSDICBE to load the PREDICT modifications from the dataset AIMS.NEMSC.PROD.REL400.REL0698.PRD323.

### 4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

**PREDICT Objects by Type:**

| | | |
|---|---|---|
| Keyword | - | 2 |
| ADABAS Files and Views | - | 6 |
| Data Elements | - | 331 |

### 4.1.2 Storage Considerations

Not applicable with this release.

### 4.1.3 Physical File Changes

Delete the following files:

| | |
|---|---|
| NEMS-CENT-EQUIP | File # 040 |
| NEMS-CENT-HISTORY | File # 041 |

These files will be rebuilt by consolidating NEMS data from all NASA Centers.

Delete and rebuild the following file:

| | |
|---|---|
| NEMS-CENT-TRANSFER | File # 042 |

The NEMS-CENT-TRANSFER file must be deleted and rebuilt (ADALOD) empty. The data was unloaded in step 3.0 Pre-Predict Data Conversion and will be reloaded in step 6.0 Post-Predict Data Conversion.

## 5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NEMSCENT or other named library. It is not necessary to catalog the Global Data Area. You should receive 5 NATURAL 0002 errors for modules beginning with ADHOC21* that concern trying to stow a dynamic program. It is not necessary to attempt to resolve the 5 errors. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NEMS CENTRAL application will run under the NASA On-line standard parameter.

## 6.0 Post-Predict Data Conversion

Run NCLXFRPA, in batch from the NEMS Central library, to reload the NEMS-CENT-TRANSFER file.

## 7.0 Perform Release-Specific Procedures

There are no release-specific procedures with this release.

## 8.0 Local JCL Mods

There are no Local JCL Mods with this release.

## 9.0 Installation Checklist

1.0 Back Up Existing Data
2.1 Copy Source Code
3.0 Pre-Predict Data Conversion
4.0 Install Predict
5.0 Catalog Source Code
6.0 Post-Predict Data Conversion